



PROGRAMME SCHEDULE
8th March 2017

Session-I (Venue: Dr. Triguna Sen Auditorium)			Time
Registration			08.00-10.00 am
Inauguration and Keynote Address “Semiconductor R&D for strategic defence applications” by Prof. Rajesh Kumar Sharma, Director, Solid State Physics Lab, New Delhi			10.00 – 11.30 am
High tea			11.30 – 12.00 noon
Session-II- (Venue: Dr. Triguna Sen Auditorium)			
Invited Talk-1	Prof. Chennupati Jagadish , The Australian National University, Australia	Semiconductor Nanowires for Optoelectronics and Energy Applications	12.00-12.30 pm
Invited Talk-2	Prof. Samit K Ray , S. N. Bose National Centre for Basic Sciences, Kolkata and Department of Physics, IIT Kharagpur	Silicon based Nanostructures for Photonic Devices	12.30-13.00 pm
Exhibitor’s Talk	M M C Kishor	Global Marketing Services, Bengaluru	13.00-13.15 pm
LUNCH at University Guest house			13.15-14.00 pm
Session-III - (Venue: TEQIP Building)		Poster Session-I and TEA (Registration ID No. 1-123)	
Session-IV- (Venue: Dr. Triguna Sen Auditorium)			14.00-16.00 pm
Invited Talk-3	Prof. Sharmila M. Mukhopadhyay , National Academies of Science, Engg. & Medicine, Wright State University, Dayton, USA	“Three-Dimensional Hierarchical Hybrid Architectures for Multifunctional Electronic Devices”	16.00-16.30 pm
Invited Talk-4	Prof. Rajendra Singh , Department of Physics, Indian Institute of Technology Delhi, New Delhi-110016, India	“Study of electrical properties of graphene/GaN and graphene/AlGaN/GaN Schottky barrier diodes”	16.30-17.00 pm
Invited Talk-5	Prof. Govind Gupta , Advanced Materials & Devices, CSIR-National Physical Laboratory (CSIR-NPL), Academy of Science & Innovative Research (AcSIR), CSIR-NPL Campus, New Delhi - 110012, India	“III-Nitride materials for broadband & ultrafast detectors”	17.00-17.30 pm
Invited Talk-6	Tony William James Rogers , Applied Microengineering Ltd, Unit 8, Library Avenue, Harwell Campus, Didcot, UK	“Wafer bonding techniques for MEMS and semiconductor device fabrication”	17.30-18.00 pm
Tutorial-1	Daniel Drysdale Scottish Microelectronic Centre, Alexander Crum Brown Road, Edinburgh, EH9 3FF, UK	“What’s in a MEMS?: An overview and discussion of new techniques for MEMS manufacturing”	18.00-19.00 pm
DINNER at University Guest house			19.30 pm onwards
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Session-V- (Venue: Dr. Triguna Sen Auditorium)			
Invited Talk-8	Prof. J. K. Rath Dept of Physics, I.I.T. Madras, Chennai.	“Rollable solar cells”	10.00 – 10.30 am
Invited Talk-9	Prof. Debjyoti Banerjee , Mechanical Engineering Department and Petroleum Engineering Department (Joint Courtesy Appointment), Faculty Fellow, Mary Kay O’Connor Process Safety Center, Texas A&M University (TAMU)	“NANO-DEVICES FOR ENHANCED THERMAL ENERGY STORAGE, COOLING AND SENSING”	10.30-11.00 am
Invited Talk-10	Prof. Amlan J. Pal , Department of Solid State Physics, Indian Association for the Cultivation of Science, Kolkata, India	“dI/dV Imaging of Some Complex Nanostructures”	11.00 -11.30 am
TEA			11.30-11.45 am
Invited Talk-11	Prof. N B Chaurse , Department of Physics, Savitribai Phule Pune University, Pune, INDIA, 411 007	“Organic Electronic Devices and Applications”	11.45-12.15 pm
Invited Talk-12	Prof. D. K. Bhattacharya, Solid State Physics Lab, New Delhi	“Development of MEMS based deformable mirror for adaptive optics”	12.15 – 12.45 pm
Invited Talk -13	Dr. Sandeep Kumar	Invited Talk, Sponsored by Carl Zeiss	12.45 – 13.05 pm
LUNCH at University Guest House			13.05 – 14.00 pm

Session-VI	(Venue: TEQIP Building)	Poster Session-II and TEA (Registration ID No.124-201)	14.00-16.00 pm
Session-VII	(Venue: Dr. Triguna Sen Auditorium)		
Invited Talk-14	Prof. Ashok Kapoor , Solid State Physics Lab, New Delhi	“Advanced material characterization of semiconductor Materials and Devices”	16.00-16.30 pm
Invited Talk-15	Prof. Abdul Kadir , Low Energy Electronic System, SingaporeMIT Alliance for Research and Technology, Singapore	“MOCVD Growth of GaN on 200mm Diameter Si (111) substrate”	16.30-17.00 pm
Invited Talk-16	Prof. B. S. Negi , MNRE, Govt. of India	Invited talk	17.00-17.30 pm
Invited Talk-17	Prof. Vipul Kheraj , Department of Applied Physics, S. V. National Institute of Technology, Surat, Gujarat, India	“Degradation of Methylammonium Lead Halide Perovskites”	17.30-18.00 pm
Invited Talk-18	Prof. Daniel Drysdale , Scottish Microelectronic Centre, Alexander Crum Brown Road, Edinburgh, EH9 3FF, UK	“The Behaviour of Vapour Phase Hydrogen Fluoride Etching of Silicon Dioxide”	18.00-18.30 pm
Tutorial-2	Tony William James Rogers , Applied Microengineering Ltd, Unit 8, Library Avenue, Harwell Campus, Didcot, OX11 OSG, UK	“Bonding Processes and Equipment for Wafer Scale Vacuum Encapsulation”	18.30-19.30 pm
Symposium Dinner at University Guest house			19.30 pm onwards

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Session-VIII	(Venue: Dr. Triguna Sen Auditorium)		
Invited Talk-19	Prof. Udai P Singh , School of Electronics Engineering, KIIT University, CAMPUS-3, Patia, Bhubaneswar, India	“Polycrystalline Thin Film Solar Cell Technologies: Current Status”	10.00-10.30 am
Invited Talk-20	Prof. Mahesh R. Gokhale , Tata Institute of Fundamental Research, Homi Bhabha Road, Mumbai 400 005, India	“MOVPE-grown III-V semiconductor nanowires”	10.30-11.00 am
Invited Talk-21	Prof. Ilsin An , Department of Applied Physics, Hanyang University, Ansan 15588, S. Korea	“Ellipsometry in Semiconductor Manufacturing (Application to lithography)”	11.00-11.30 am
		TEA	11.30 – 11.45 am
Invited Talk-22	Prof. Shingo Sato , Faculty of Engineering Science, Kansai University, Osaka, Japan	“Recent Progress of Pseudo-MOS Method Used for Evaluating Electrical Properties of the SOI Wafer”	11.45-12.15 pm
Invited Talk-23	Prof. V. Venkatraman , Department of Physics, Indian Institute of Science-IISc, Bangalore, India	“SOLUTION PROCESSED INORGANIC SEMICONDUCTOR MEMORY DEVICES”	12.15-12.45 pm
Lunch at University Guest house			12.45-14.00 pm
Session-IX	(Venue: TEQIP Building)	Poster Session-III and TEA (Registration ID No. 201 onwards)	14.00-15.30 pm
SESSION-XI	(Venue: Dr. Triguna Sen Auditorium)	CONCLUDING SESSION	15.30 pm onwards

Organized at
School of Materials Sciences & Nanotechnology,
Jadavpur University, Kolkata - 700 032

